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PATENT
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: WANG ET AL.

Serial No.: 09/605,577

Filed: June 28, 2000

Title: STABILIZED INTERLEUKIN 2



INFORMATION DISCLOSURE
STATEMENT FILED UNDER
37 C.F.R. § 1.97

EXAMINER: Unassigned

PRELIMINARY CLASS: Unassigned

Honorable Commissioner of Patents and Trademarks
Washington, D.C. 20231

Sir:

This is a disclosure of references believed to be relevant to the above described application. This disclosure is being filed prior to the first Patent Office Action after receipt of the serial number from the USPTO and under 37 CFR §1.97(b)(3). Copies of the references cited below and a filled-in INFORMATION DISCLOSURE STATEMENT by applicant (Form 1449a/PTO) are enclosed.

REFERENCES DISCLOSED

U.S. Patent 5,763,401 to Rajiv Nayar, issued June 9, 1998. This patent and its divisional are cited in the application to show earlier use of histidine to stabilize another protein, recombinant Factor VIII.

U.S. Patent 5,358,708 to Suman T. Patel issued on October 25, 1994. This patent is also cited in the application to show the earlier use of methionine, histidine or mixture thereof to extend the storage lifetimes of interleukins, including interleukin-2.

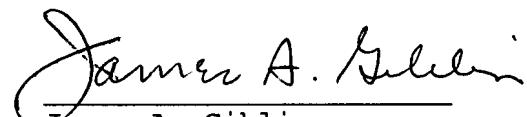
B.S. Chang et al, Pharm. Res., Vol. 12, No. 6, pages 831-837, 1995 discloses a formulation for IL-1 receptor antagonist which includes sucrose and glycine in amounts similar to those in this application but it uses citrate as a buffering agent at pH 6.5 rather than histidine, which the applicants found to be a specific stabilizer of IL-2.

The above three references are believed to be the most relevant to the patentability of the claims as filed and for that reason have been included with the references cited in the application under the heading "Background".

If the Examiner responsible for this application has any questions regarding the above references or any others cited in the application, that Examiner is invited to telephone the undersigned at anytime.

Respectfully submitted,

Dated: Sept. 15, 2000



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